

AMENDMENT

Please enter the following amendments:

IN THE SPECIFICATION

At page 1, line 7, after the title, please ~~insert~~ the following:

RELATED APPLICATIONS

B1 This is a divisional of U.S. Patent Application Ser. No. 09/375,610, now U.S. Patent No.

6,451,864, filed August 17, 1999. --

At page 5, line 10, insert:

B2 -- FIG. 3 is a cross section of a reactor containing a catalyst structure according to the present invention. --

Replace the paragraph beginning at page 3, line 24, with the following rewritten paragraph:

B3 -- Further improvement is achieved by using a microchannel reactor wherein the reaction ^{reaction chamber 4} chamber walls 6, 6' define a microchannel with the catalyst structure placed therein through which pass reactants. The walls 6, 6' separate the reaction chamber 4 from at least one cooling chamber 10.

Replace the paragraph beginning at page 5, line 14, with the following rewritten paragraph:

-- The present invention is a catalyst structure and method of making the catalyst structure for Fischer-Tropsch synthesis in which rely upon:

the a catalyst is impregnated into a catalyst structure and calcined thereon. In a preferred embodiment, the catalyst structure 2 is placed within a reaction chamber 4. The reaction chamber 4 preferably has walls 6, 6' defining at least one microchannel through which pass reactants into the reaction chamber. The walls preferably separate the reaction chamber 4 from at least one cooling chamber 10. A microchannel has a characteristic dimension less than about 1 mm. --

Replace the paragraph beginning at page 8, line 18, with the following rewritten paragraph:

-- Residence time less than 5 seconds may be accomplished with standard equipment but at the expense of significant energy to raise the space velocity of the reactants to overcome the pressure drop and poorer heat transfer leading to higher methane formation. Heat transfer from the reaction chamber 4 is preferably enhanced by addition of microchannels 12 on at least one reaction chamber wall 6 on the side of the reaction chamber wall opposite the catalyst structure 2. --

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